

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. USFMCR.134C1	APPLICATION NO. Unknown 10/802691
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Johnson, et al.	
		FILING DATE Herewith	GROUP Unknown 1723

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
DND	10/437,202 2004-0635782	06/12/03 02/04	Muller				
	10/674,604 2004-0634369	09/30/03 05/04	Zha, et al.				
	10/676,450	09/30/03	Cox, et al.				
	10/738,628 2004-012894	12/16/03 09/04	Muller, et al.				
	10/759,580 2004-0145076	01/15/04 07/04	Zha, et al.				
	10/774,041 2004-0217053	02/06/04 11/04	Zha, et al.				
	2001-0027951	10/11/01	Gungerich et al.				
	2002-0148767	10/17/02	Johnson et al.				
	2002-0153299	10/24/02	Mahendran et al.				
	2002-0195390	12/26/02	Zha et al.				
	2003-0075504	04/24/03	Zha et al.				
	2003-0089659	05/15/03	Zha et al.				
	2003-0136746	07/24/03	Behman et al.				
	2003-0141248	07/31/03	Mahendran et al.				
	2003-0164332	09/04/03	Mahendran et al.				
	2003-0178365	9/25/03	Zha et al.				
	2003-0205519	11/06/03	Zha et al.				
	2003-0226797	12/11/03	Phelps				
	2003-0234221	12/15/03	Johnson et al.				
	2004-0000520	11/1/04	Gallagher et al.				
	3,228,876	01/11/66	Mahon				
	3,693,406	09/72	Tobin				
	3,708,071	01/02/73	Richard P. Crowley				
	3,968,192	06/07/76	Hoffman et al.				
	3,992,301	11/76	Shippey et al.				
DND	4,188,817	02/80	Steigelmann				

EXAMINER <i>Joseph Dodge</i>	DATE CONSIDERED <i>12-15-2004</i>
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
JWD		4,192,750	03/11/80	Elfes et al.			
		4,193,780	03/80	Cotton et al.			
		4,218,324	08/19/80	Hartmann et al.			
		4,248,648	02/81	Kopp			
		4,384,474	05/83	Kowalski			
		4,385,150	05/24/83	Miyake et al.			
		4,451,369	05/29/84	Sekino et al.			
		4,511,471	04/85	Müller			
		4,540,490	09/10/85	Shibata et al.			
		4,547,289	10/85	Okano et al.			
		4,609,465	09/02/86	Miller			
		4,614,109	09/86	Hoffman			
		4,632,745	12/30/86	Gluffrida et al.			
		4,636,296	01/13/87	Kunz			
		4,642,182	02/87	Droni			
		4,647,377	03/03/87	Miura			
		4,650,596	03/17/87	Ellis			
		4,656,865	04/87	Callan			
		4,660,411	04/87	Reid			
		4,670,145	06/02/87	Edwards			
JWD		4,673,507	6/16/87	Brown			
		4,687,561	08/18/87	Kunz			
		4,688,511	08/25/87	Gerlach et al.			
		4,718,270	01/86	Storr			
		4,744,240	05/88	Reichelt			
		4,756,875	07/12/88	Tajima et al.			
		4,767,539	8/88	Ford			

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	APPLICANT Johnson, et al.	
	FILING DATE Herewith	GROUP Unknown 1723

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
PWD		4,779,448	10/88	Gogins			
		4,784,771	11/88	Wathen et al.			
		4,793,932	12/88	Ford et al.			
		4,797,211	01/89	Ehrfeld et al.			
		4,810,384	03/07/89	Fabre			
		4,812,235	03/14/89	Seleman et al.			
		4,816,160	03/89	Ford et al.			
		4,846,970	07/89	Bertelsen et al.			
		4,876,006	10/24/89	Ohkubo et al.			
		4,876,012	10/24/89	Kopp et al.			
		4,921,610	05/01/90	Ford et al.			
		4,931,186	06/05/90	Ford et al.			
		4,935,143	06/90	Kopp et al.			
		4,999,038	03/91	Lundberg			
		5,005,430	04/91	Kibler et al.			
		5,024,762	06/18/91	Ford et al.			
		5,066,375	11/19/91	Parsi et al.			
		5,066,401	11/19/91	Muller et al.			
		5,066,402	11/91	Anselme et al.			
		5,069,065	12/91	Sprunt et al.			
		5,076,925	12/31/91	Roesink et al.			
		5,079,272	01/07/92	Allegrezza, et al.			
		5,094,750	03/10/92	Kopp et al.			
		5,104,535	04/14/92	Cote et al.			
		5,104,546	04/92	Filson et al.			
PWD		5,137,631	08/11/92	Eckman, et al.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Johnson, et al.	
		FILING DATE Herewith	GROUP Unknown <i>1723</i>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
<i>JWD</i>	5,138,870	08/92	Lyssy				
	5,151,191	09/29/92	Sunaoka et al.				
	5,151,193	09/29/92	Grobe et al.				
	5,158,721	10/27/92	Allegrezza, et al.				
	5,182,019	01/26/93	Cote et al.				
	5,192,456	03/93	Ishida et al.				
	5,194,149	03/16/93	Selbie et al.				
	5,198,116	03/93	Comstock et al.				
	5,209,852	05/11/93	Sunaoka, et al.				
	5,211,823	05/18/93	Giuffrida et al.				
	5,221,478	06/22/93	Dhingra et al.				
	5,227,063	07/13/93	Langerak, et al.				
	5,248,424	09/08/93	Cote et al.				
	5,297,420	03/94	Gilliland et al.				
	5,320,760	06/14/94	Freund et al.				
	5,353,630	10/94	Soda et al.				
	5,361,625	11/94	Ylvisaker				
	5,364,527	11/15/94	Zimmerman et al.				
	5,389,260	02/95	Hemp				
	5,393,433	02/28/95	Espenan et al.				
	5,401,401	03/95	Hickok				
	5,403,479	04/04/95	Smith et al.				
	5,405,528	04/11/95	Selbie et al.				
	5,417,101	05/23/95	Weich				
	5,419,816	05/95	Sampson et al.				
	5,470,469	11/28/95	Eckman				
<i>JWD</i>	5,477,731	12/26/95	Mouton				

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	APPLICANT Johnson, et al.	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>JWD</i>		5,480,553	01/02/96	Yamamori et al.			
		5,531,848	07/02/96	Brinda et al.			
		5,531,900	07/02/96	Raghaven et al.			
		5,543,002	08/06/96	Brinda et al.			
		5,554,283	09/10/96	Brinda et al.			
		5,607,593	03/04/97	Cote et al.			
		5,639,373	06/17/97	Mahendran et al.			
		5,639,373	06/17/97	Mahendran et al.			
		5,643,455	07/01/97	Kopp et al.			
		5,783,083	07/21/98	Henshaw et al.			
		5,910,250	06/08/99	Mahendran et al.			
		5,914,039	06/22/99	Mahendran			
		5,918,264	06/29/99	Drummond et al.			
		5,942,113	08/24/99	Morimura			
		5,944,997	08/31/99	Pedersen et al.			
		6,024,872	02/15/00	Mahendran			
		6,039,872	03/21/00	Wu et al.			
		6,042,677	03/28/00	Mahendran et al.			
		6,048,454	04/00	Jenkins			
		6,077,435	6/20/00	Beck et al.			
		6,083,393	07/07/00	Wu et al.			
		6,146,747	11/14/00	Wang et al.			
		6,156,200	12/5/00	Zha et al.			
		6,159,373	12/00	Beck et al.			
		6,193,890	02/27/01	Pederson et al.			
		6,202,475	03/20/01	Selbie et al.			
<i>JWD</i>		6,245,239	06/12/01	Cote et al.			

EXAMINER <i>Joseph D. Kelly</i>	DATE CONSIDERED <i>12-15-2004</i>
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JWD		6,254,773	07/03/01	Biltoft			
		6,294,039	09/25/02	Mahendran et al.			
		6,303,035	10/16/01	Cote et al.			
		6,354,444	03/12/02	Mahendran			
		6,440,303	08/02	Sprigel			
		6,524,481	2/25/03	Zha et al.			
		6,550,747	04/22/03	Rabie et al.			
		6,555,005	04/03	Zha et al.			
		6,620,319	09/16/03	Behmann et al.			
		6,641,733	11/04/03	Zha et al.			
		6,645,374	11/11/03	Cote et al.			
		D396,046	07/98	Scheel et al.			
		D396,726	08/98	Sadr et al.			
		D400,890	11/98	Gambardella			
		D462,699	09/10/02	Johnson et al.			
		D478,913	08/26/03	Johnson, et al.			
		D763,612	08/88	Iwanami			
		H1,045	05/92	Wilson			
JWD		RE37,549	02/19/02	Mahendran et al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JWD		DE 4 117 422	11/12/92	Germany (English language abstract)	—	—		X
JWD		EP 920 904 A2	12/12/00	EPO	—	—		X
JWD		EP 0 463 627 B1	05/10/95	EPO	—	—		X
JWD		EP 0 763 758 A1	10/02/96	EPO	—	—		X

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>JWD</i>		EP 1 052 012 A1	11/15/00	EPO				
		EP 1 350 555 A1	10/08/03	EPO				
		FR 2 674 448 A1	02/10/92	France (English language abstract)				X
		GB 2 253 572 A	09/16/92	United Kingdom				
		JP 01-307409	12/89	Japan (abstract only)				X
		JP 02-164423	06/25/90	Japan (abstract only)				X
		JP 02-284035	11/21/90	Japan (abstract only)				X
		JP 03-018373	01/25/91	Japan (abstract only)				X
		JP 03-028797	02/06/91	Japan (abstract only)				X
		JP 04-310223	11/02/92	Japan (abstract only)				X
		JP 05-023557	02/02/93	Japan (abstract only)				X
		JP 05-157654	06/93	Japan (abstract only)				X
		JP 06-071120	03/15/94	Japan (abstract only)				X
		JP 06-114240	04/26/94	Japan (abstract only)				X
		JP 07-000770	01/06/95	Japan (abstract only)				X
		JP 07-275665	10/24/95	Japan (abstract only)				X
		JP 08-010585	01/16/96	Japan (abstract only)				X
		JP 09-141063	06/06/97	Japan (abstract only)				X
		JP 10-156149	06/16/98	Japan (abstract only)				X
		JP 31-010445	05/10/91	Japan (abstract only)				X
		JP 58-088007	05/26/83	Japan (abstract only)				X
		JP 61-097006	05/15/86	Japan (abstract only)				X
		JP 61-107905	05/26/86	Japan (abstract only)				X
		JP 61-192309	08/26/86	Japan (translation only)			X	
		JP 61-257203	11/14/86	Japan (abstract only)				X
<i>JWD</i>		JP 61-263605	11/21/86	Japan (abstract only)				X

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JWD		JP 62-004408	01/10/87	Japan (abstract only)				X
		JP 62-114609	05/26/87	Japan (abstract only)				X
		JP 62-140607	06/24/87	Japan (abstract only)				X
		JP 62-179540	08/06/87	Japan (abstract only)				X
		JP 63-097634	04/28/88	Japan (abstract only)				X
		JP 63-180254	02/01/90	Japan (abstract only)				X
		JP 63-143905	06/16/88	Japan (abstract only)				
		JP 06-343837	12/20/94	Japan (abstract only)				
		JP 07-185268	07/25/95	Japan (abstract only)				
		WO 90/00434	01/25/90	PCT (WIP0)				
		WO 93/02779	02/18/93	PCT (WIP0)				
		WO 96/41676	12/27/96	PCT (WIP0)				
		WO 96/07470	03/14/96	PCT (WIP0)				
		WO 98/22204	05/28/98	PCT (WIP0)				
JWD		WO 01/36075	05/25/01	PCT (WIP0)				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
JWD	Derwent Abstract Accession No. 2001-142268/15, Class A88, J01 JP, A1, 2000342932 (Mitsubishi Rayon Co. Ltd.), December 12, 2000.
JWD	International Search Report in Corresponding PCT Application No. PCT/AU02/01272.
JWD	Almulla et al., Desalination 153 (2002) 237-243.
JWD	Rosenberger et al., Desalination 151 (2002) 195-200.

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